

PACER
MASTER MACHINE INTERFACE DOCUMENTATION
FOR
3M M79

DOCUMENTATION RELEASE : 880106

MACHINE INFORMATION

MACHINE TYPE	:	3M M79
REMOTES	:	NONE TESTED
MASTER LIMITATIONS	:	NONE
TIME CODE CHANNEL	:	ANY
HIGH SPEED CODE	:	NONE

TACH FEATURES

TACH Format	:	TACH + DIR
TACH Frequency	:	32 Hz at 15 ips
Direction Signal	:	LOW = FORWARDS, HIGH = REVERSE
TACH Output Drive	:	OPTO SENSOR
TACH Pulse Shape	:	SQUARE

MACHINE MODIFICATION :

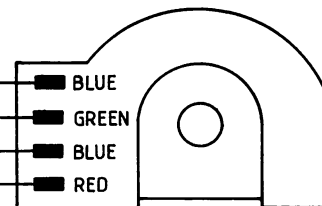
A-Sensor Installation

1. Lift deck and unscrew (Allen Type) the retaining bolt for the transport turnaround idler - remove assembly.
2. Remove cap of idler assembly and dismantle roller from mounting shaft.
3. To minimise slippage the idler should be sand blasted to break the gloss finish, in order to improve tape adhesion. Alternatively the idler can be replaced with a monothane coated idler now being supplied as standard by 3M.
4. After the above processing, select the reflective disc from the installation kit, peel off backing (do not bend disc), and fix to the bottom of the idler. Do not re-assemble the idler at this stage.
5. Remove the trim plates. Release the lifter spring from its centre spigot at the rear of the idler base position. Fit sensor assembly to machine and secure by replacing idler base on top of the sensor shim. Tighten the hex bolt of the idler base gently pulling it towards the front of the machine. Re-locate the lifter spring.
6. Remove the black deck plate by removing the two rear screws and then sliding the assembly back towards the VU panel. Feed the sensor cable through the deck casting to the rear of the machine. Do not replace the black deck plate at this time.
7. Re-assemble turnaround idler to mounting shaft and replace trim plates.

REMARKS

PACER MASTER

FUNCTION	'D' CONN-ECTOR	COLOUR
PACER 0V	1	RED
TACH REF	2	BLUE
TACH A	3	GREEN
TACH B or DIR	4	YELLOW
PACER +5V	5	
	6	
	7	
	8	
	9	
SCREEN		



CONNECTOR SPECIFICATION	No. of WAYS	TYPE	LOCKING	CABLE SPECIFICATION	No. of WAYS	LENGTH
CONNECTOR 1	9	'D' PLUG	SCREW	CABLE 1	4	6M
CONNECTOR 2	4	PCB		CABLE 2		
CONNECTOR 3				CABLE 3		
CONNECTOR 4				CABLE 4		



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MOD. No.	ISSUE	DATE	MOD. No.	ISSUE	DATE
			153	1	1.12.87

TITLE
PACER MASTER CABLE FOR
3M M79

CERT'D.
CHECKED
DRAWN
N.B./C.A.B.

DRAWING No.
MPC 020

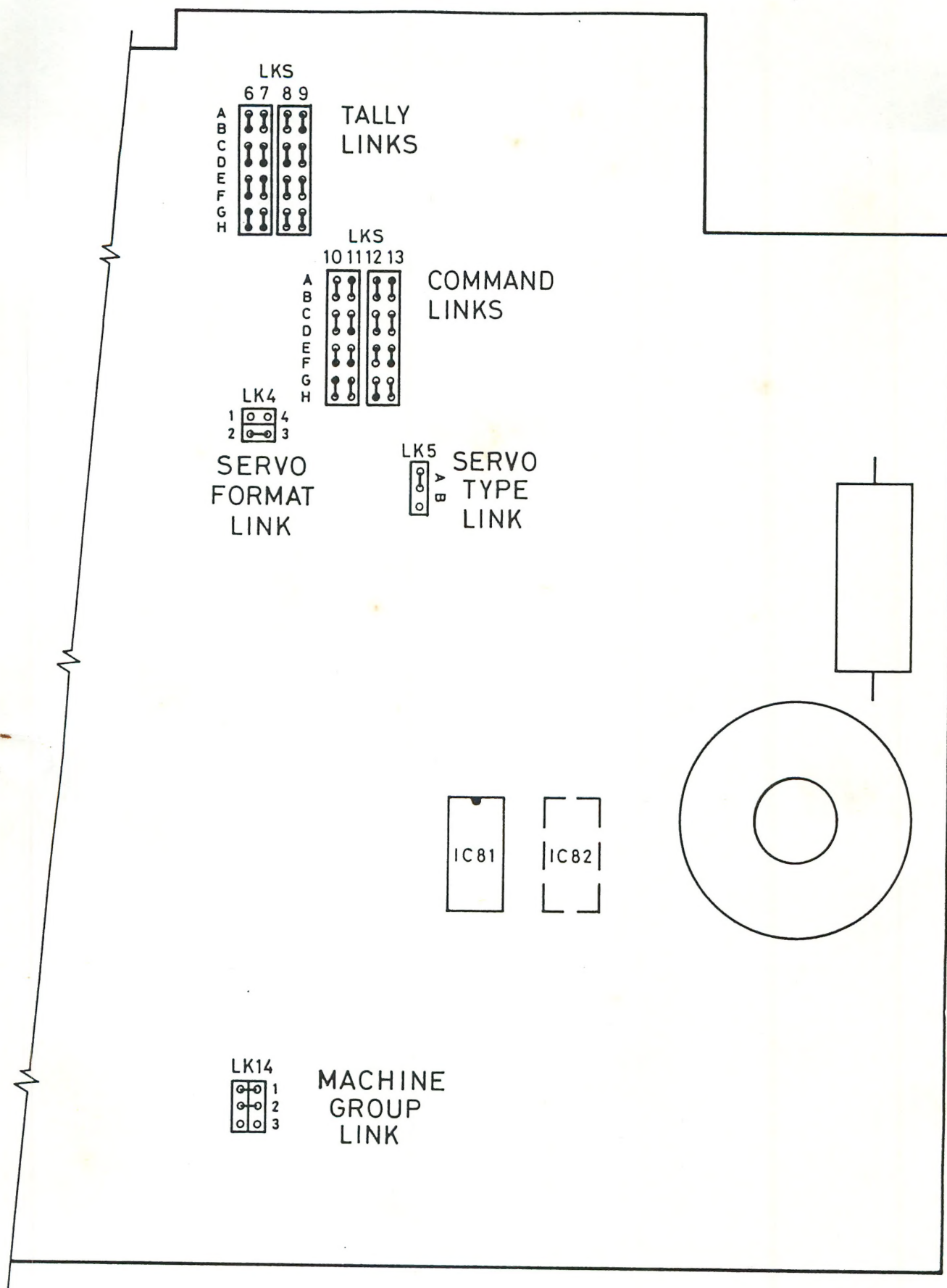


Figure 1

MODIFICATION	ISSUE	DATE	DRAWN	CHECKED	DRAWING NO.
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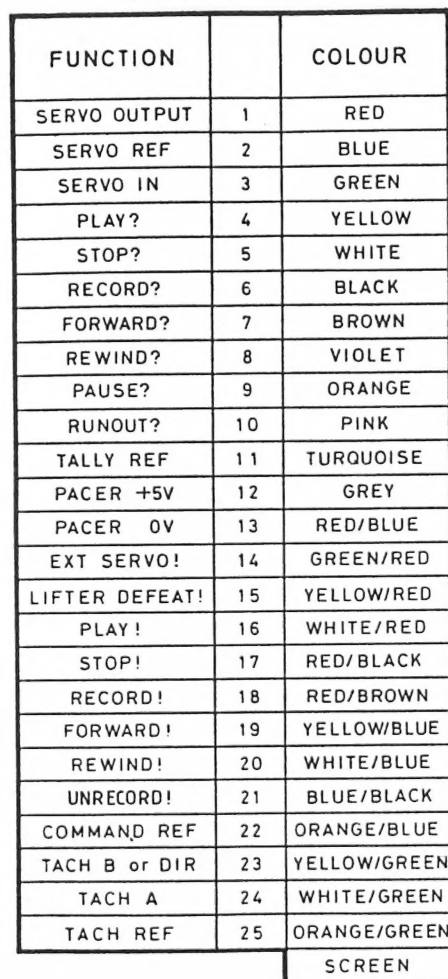


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TITLE

PACER MACHINE SPECIFIC
LINK CONFIGURATION FOR
3M M79

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CONNECTOR SPECIFICATION	No. of WAYS	TYPE	LOCKING	CABLE SPECIFICATION	No. of WAYS	LENGTH
CONNECTOR 1	25	D PLUG	SCREW	CABLE 1	25	0.5M
CONNECTOR 2	18	P.C.B. EDGE	SCREW	CABLE 2	25	0.5M
CONNECTOR 3	4	P.C.B.	SCREW	CABLE 3	4	1M
CONNECTOR 4				CABLE 4		

-6.0m

$\sim 0.5 \text{ m}$



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MOD No	ISSUE	DATE		MOD No	ISSUE	DATE

PACER SLAVE CABLE FOR
3M M79

N.B./C.A.B.

SPC 020

PACER SLAVE

FUNCTION		COLOUR
SERVO OUTPUT	1	RED
SERVO REF	2	BLUE
SERVO IN	3	GREEN
PLAY?	4	YELLOW
STOP?	5	WHITE
RECORD?	6	BLACK
FORWARD?	7	BROWN
REWIND?	8	VIOLET
PAUSE?	9	ORANGE
RUNOUT?	10	PINK
TALLY REF	11	TURQUOISE
PACER +5V	12	GREY
PACER 0V	13	RED/BLUE
EXT SERVO!	14	GREEN/RED
LIFTER DEFEAT!	15	YELLOW/RED
PLAY!	16	WHITE/RED
STOP!	17	RED/BLACK
RECORD!	18	RED/BROWN
FORWARD!	19	YELLOW/BLUE
REWIND!	20	WHITE/BLUE
UNRECORD!	21	BLUE/BLACK
COMMAND REF	22	ORANGE/BLUE
TACH B or DIR	23	YELLOW/GREEN
TACH A	24	WHITE/GREEN
TACH REF	25	ORANGE/GREEN
		SCREEN

APR 020
Pod PCB Assy

YELLOW
GREEN
BLUE
RED

CONNECTOR 1

CABLE 1

CABLE 2

CONNECTOR 2

CABLE 3

CONNECTOR SPECIFICATION	No. of WAYS	TYPE	LOCKING	CABLE SPECIFICATION	No. of WAYS	LENGTH
CONNECTOR 1	25	D PLUG	SCREW	CABLE 1	25	6.0 m
CONNECTOR 2	18	P.C.B. EDGE	SCREW	CABLE 2	25	0.5 m
CONNECTOR 3	4	P.C.B.	SCREW	CABLE 3	4	1 M
CONNECTOR 4				CABLE 4		

NOTE: POLARISING KEY BETWEEN PINS 15 & 16



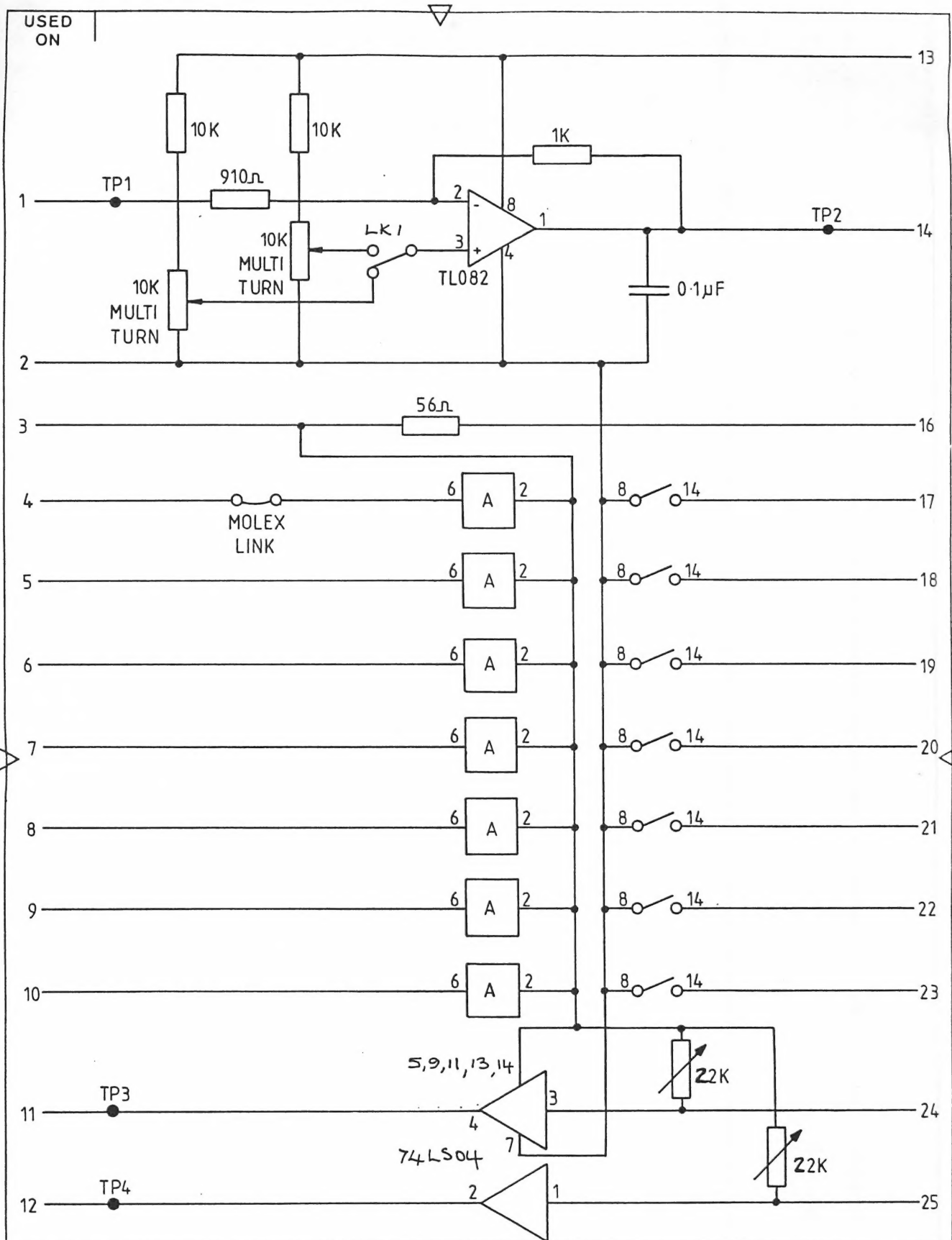
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			157	1	1.12.87

TITLE
PACER SLAVE CABLE FOR
3M M79

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DRAWING No. SPC 020		



CERT'D.

CHECKED

B

DRAWN

NB/CAB



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POD BOARD FOR
3M M79 CABLE

DRAWING No.

APR 520

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ATTENTION

Some Pacer machine cables have the same
connector at both ends.

Please note that all Pacer cables have a label
consisting of a cable part number at the end which
you should connect to the rear of PACER

Please ensure that you connect it
the right way round !